

What is claimed is:

- 1 1. A computer, comprising:
2 a system;
3 an AC power supply operatively connected to said system for supplying said
4 system with power;
5 a battery operatively connected to said system and which is charged with
6 power from said AC power supply and then discharged to supply power to said
7 system; and
8 a circuit operatively connected to said battery and said AC power supply and
9 which is capable of turning off a charging function to said battery while said battery
10 is connected to said AC power supply with said system being powered off.

- 1 2. The computer according to Claim 1, wherein when said system is powered
2 off during charging to said battery, said circuit turns off the charging function to the
3 battery after the charging is complete.

- 1 3. The computer according to Claim 1, wherein said circuit can turn on charging
2 function to said battery if said AC power supply has shifted from not being
3 connected to being connected with said system powered off.

- 1 4. The computer according to Claim 1, wherein said circuit turns on charging
2 function when a battery that has not been connected is connected with said system
3 powered off.

- 1 5. The computer according to Claim 1, wherein said circuit turns on charging
2 function to a battery after a predetermined time period has passed with charging
3 function to the battery turned off.

1 6. The computer according to Claim 1, further comprising a regulator operatively
2 connected to said circuit for supplying a small amount of power to said circuit.

1 7. The computer according to Claim 1, further comprising a user interface for
2 a user to set said charging function for when the system is in power-off state, and
3 wherein said circuit turns off the charging function to said battery based on
4 information set in said user interface.

1 8. Apparatus comprising:
2 a computer system;
3 an AC power supply operatively connected to said computer system and
4 supplying power thereto;
5 a wakeup device operatively connected to said computer and effective to
6 wake up the computer system;
7 an auxiliary power supply which supplies power to said wake up device while
8 said computer system is powered off and said AC power supply is connected; and
9 a circuit for turning off said auxiliary power supply based on settings by a
10 user.

1 9. Apparatus according to Claim 8 wherein said circuit turns off said auxiliary
2 power supply for WakeOnLAN function.

1 10. A method comprising:
2 determining whether or not a battery connected to a computer system is
3 being charged from an AC power supply with said system powered off; and
4 turning off the power to a charging circuit for charging the battery when the
5 battery is not being charged even if said AC power supply is connected.

1 11. A method according to Claim 10, further comprising turning on the charging
2 circuit in response to elapse of a predetermined time period after the power supply

3 to the charging circuit is turned off.

1 12. A method comprising:

2 turning off the power supply from an AC power supply to a battery charging
3 circuit which charges a battery connected to a computer system with said system
4 powered off; and

5 shifting the power supply of the charging circuit from OFF to ON when the AC
6 power supply is connected after not being connected.

1 13. A method comprising:

2 turning off the power supply from an AC power supply to a battery charging
3 circuit which charges a battery connected to a computer system with said system
4 powered off; and

5 shifting the power supply of the charging circuit from OFF to ON when a
6 battery requiring to be charged is connected to the system after not being
7 connected.

1 14. A method comprising:

2 turning on an auxiliary power supply which supplies a wakeup function for a
3 computer system with the system powered off in response to the state of an AC
4 power supply for the system;

5 turning off the auxiliary power supply if the AC power supply is not connected
6 and only the battery is connected; and

7 turning off the auxiliary power supply depending on settings even when said
8 AC power supply is connected.

1 15. A method according to Claim 14, further comprising turning off the charging
2 function to the battery depending on settings with the system powered off.

1 16. A program product comprising:

2 a computer readable medium:
3 computer readable instructions stored on said medium and effective when
4 executing on a computer system to cause the system to:
5 determine whether or not a battery is being charged with the system
6 powered off; and
7 turn off the power to a charging circuit for charging a battery when the
8 battery is not being charged even if an AC power supply is connected.

1 17. A program product according to Claim 16, wherein said instructions further
2 cause the computer system to turn on the power supply for supplying power to the
3 charging circuit when the AC power supply is connected after not being connected.

1 18. A program product according to Claim 16, wherein said instructions further
2 cause the computer system to turn on the power supply for supplying power to the
3 charging circuit when a battery requiring to be charged is connected after not being
4 connected.

1 19. A program product according to Claim 16, wherein said instructions further
2 cause the computer system to turn on the power supply providing power to the
3 charging circuit in response to elapse of a predetermined time period after the
4 power supply is turned off.